

ABSTRACT OF THE DISCLOSURE

With respect to a scanning plane of a subject having been injected with a contrast agent, an ultrasound transmission section 6 transmits for a plurality of times an ultrasonic pulse of such an intensity capable of collapsing the contrast agent. An ultrasound reception section 5 receives an echo signal cluster from the subject based on the ultrasonic pulses, and generates a plurality of RF data items through addition of the echo signal cluster using an adder 5C. Based on the plurality of RF data items, a TIC/MTT measurement section 25 measures a time intensity curve (TIC), and then measures a mean transit time (MTT) of the blood flow based on the time intensity curve for display on a display section 21.